

Operation Manual BRAKE WINCH

(A) SPECIFICATION

Item No.		HBW-360	HBW-550	HBW-800	HBW-1180
Capacity	(lbs / kg)	800 / 360	1200 / 550	1800 / 800	2600 / 1180
Hand Force Required	(kg)	14.5	15	22	19
Gear Ratio		4.1 : 1	4.1 : 1	5 : 1	10 : 1
Hub Diameter	(mm)	Φ34 / Φ40	Φ34 / Φ50	Φ70	Φ80
Handle Length	(mm)	160	210	320	320
Unit Weight	(kg)	3	3.3	8	10.3
Rope Diameter	(mm)(Ref.)	Φ4	Φ5	Φ7	Φ8
Rope Storage Cap.	(M)	37 / 36	25 / 23	24	18

(B) FEATURES

A high quality, multi-purpose winch. Frame is one-piece design, plastic handle grip, high strength alloy steel gear of one-piece design, welded reel. Baked enamel and plated finish. Automatic brake that ensures suspension of the load.

(C) USE

Lifting of the load must happen by rotating the crank Clock-wise. When releasing the crank, the load remains suspended. The descent of the load must happen by rotating the crank counterclock-wise. The automatic brake intervenes to avoid unchecked descent of the load.

(D) IMPORTANT SAFETY INFORMATION

- This winch is not to be used to transport people or for loads over areas where people could be present.
- Never apply load on winch with cable fully extended. Keep at least three full turns of cable on the reel.
- Operate with hand power and with crank included in the equipment only. This winch should not be operated with a motor of any kind. If the winch cannot be cranked easily with one hand, it is probably over-loaded.

(E) NOTE

The winch finish can be protected and will provide longer service if it is periodically washed with water and then wiped with light oil or wax.

(F) LUBRICATION

This winch has been fully lubricated at the factory, but for continued smooth performance and increased life, occasionally grease gears, reel shaft, and handle threads.

(G) CAUTION

Do not oil or grease brake mechanism.

(H) FIXING OF THE ROPE TO THE DRUM

1. (a) HBW-360, HBW-550, HBW-800 : please refer figure 1
(b) HBW-1180: please refer figure 2
2. Completely tighten the screw of the Fixing Device.

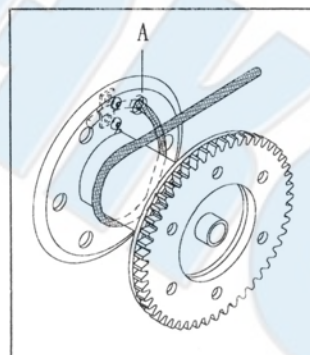


Figure 1

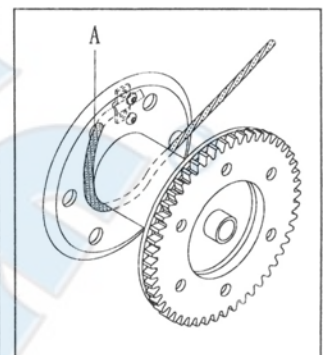


Figure 2





EC DECLARATION OF CONFORMITY

We: **SUMAKE INDUSTRIAL CO., LTD.**

4F, No. 351, Yangguang St., Neihu District, Taipei City, Taiwan

declare in sole responsibility that the equipment

Equipment : **HEAVY DUTY CHAIN HOIST 0.5(1)(1.5)(2)(3)(5) TON**

Model/ Serial No. : **HCH-500(1000)(1500)(2000)(3000)(5000)**

to which this declaration applies, complies with these normative documents:

- Machinery Directive: 2006/42/EC

and conforms to the following EN standard,

- EN ISO 12100: 2010
- EN 13157:2004+A1:2009

Name and Signature/Position

Mike Su – Managing Director

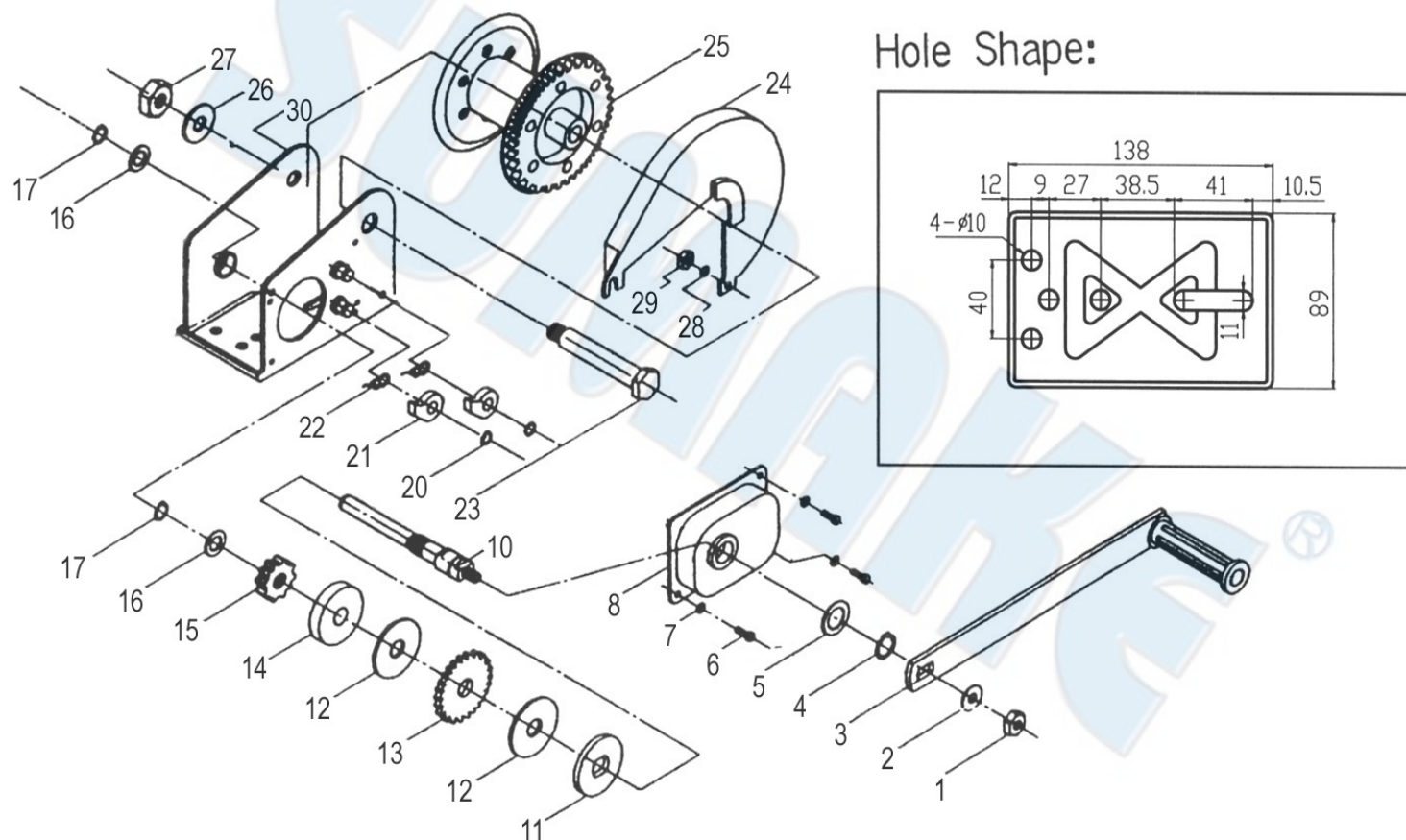
Date and Place

2014/6/30

Taipei, Taiwan

HCH-500(1000)(1500)(2000)(3000)(5000)-D-1409B-W6F

HBW-360 BRAKE WINCH (800LBS / 360KGS)

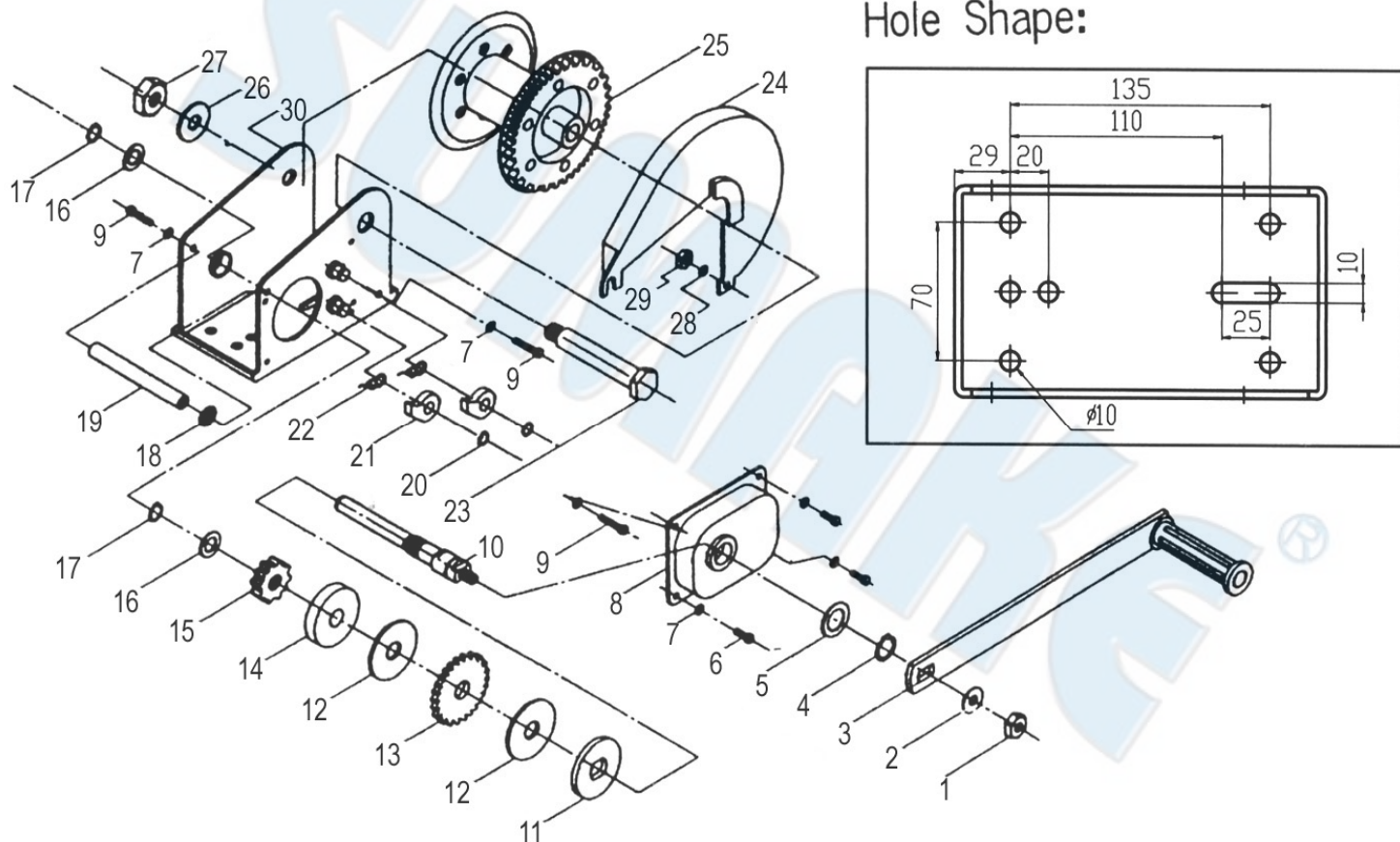


PARTS LIST

No.	Parts No.	Description
1	HBW360-01	Nut
2	HBW360-02	Flat Washer
3	HBW360-03	Handle
4	HBW360-04	Snap Ring
5	HBW360-05	Flat Washer
6	HBW360-06	Screw (M6xP1)
7	HBW360-07	Spring Washer
8	HBW360-08	Brake Cover
10	HBW360-10	Pinion Shaft
11	HBW360-11	Brake Back-Up Plate
12	HBW360-12	Friction Disc
13	HBW360-13	Ratchet Gear
14	HBW360-14	Pressure Washer
15	HBW360-15	Pinion Gear

No.	Parts No.	Description
16	HBW360-16	Flat Washer
17	HBW360-17	Snap Ring
20	HBW360-20	Snap Ring (S12)
21	HBW360-21	Pawl
22	HBW360-22	Pawl Spring
23	HBW360-23	Reel Bolt
24	HBW360-24	Gear Cover
25	HBW360-25	Winch Reel
26	HBW360-26	Flat Washer
27	HBW360-27	Nut
28	HBW360-28	Flat Washer
29	HBW360-29	Nut (M6xP1)
30	HBW360-30	Winch Frame

HBW-800 BRAKE WINCH (1800LBS / 800KGS)

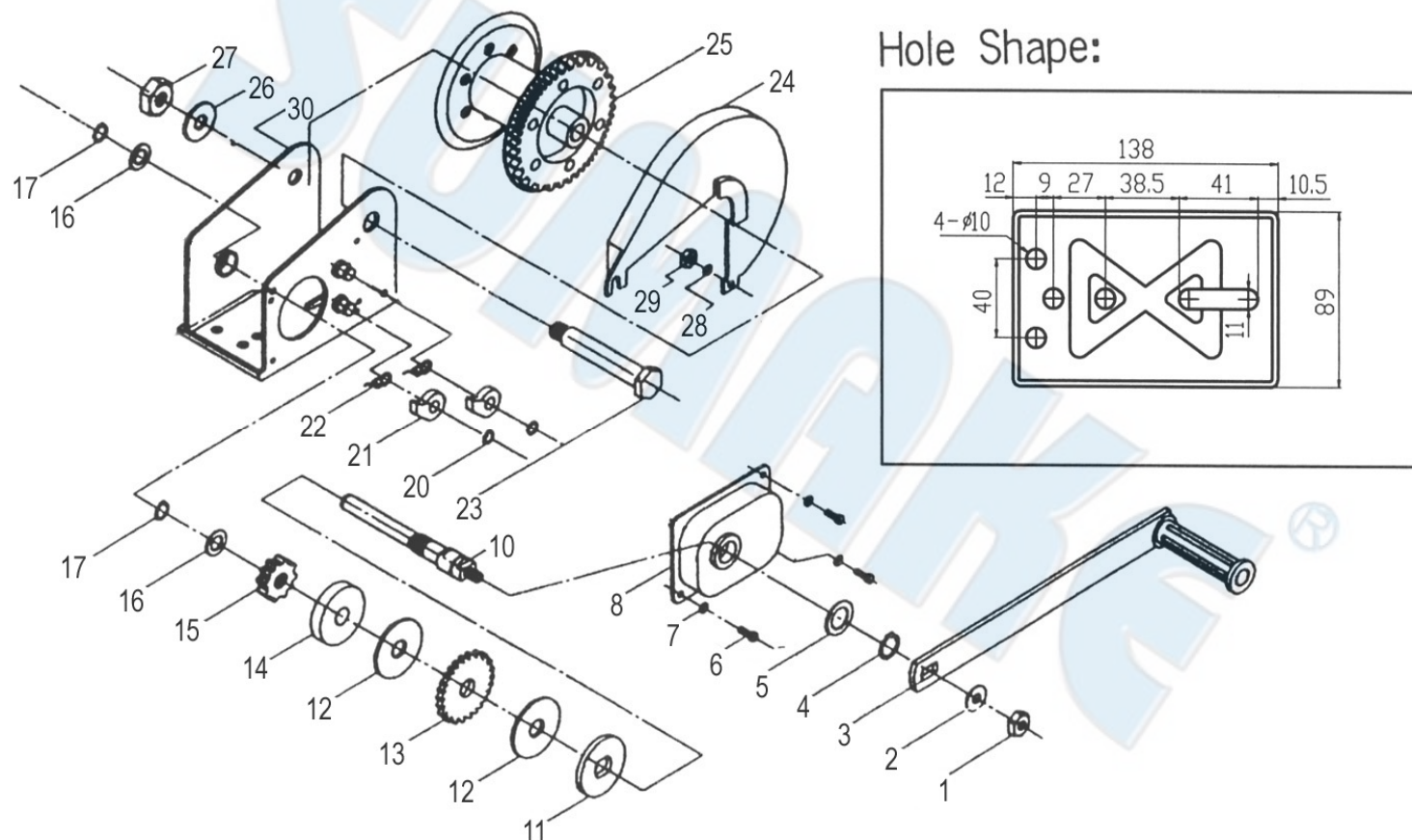


PARTS LIST

No.	Parts No.	Description
1	HBW800-01	Nut
2	HBW800-02	Flat Washer
3	HBW800-03	Handle
4	HBW800-04	Snap Ring
5	HBW800-05	Flat Washer
6	HBW800-06	Screw (M6xP1)
7	HBW800-07	Spring Washer
8	HBW800-08	Brake Cover
9	HBW800-09	Screw (M6xP1x16L)
10	HBW800-10	Pinion Shaft
11	HBW800-11	Brake Back-Up Plate
12	HBW800-12	Friction Disc
13	HBW800-13	Ratchet Gear
14	HBW800-14	Pressure Washer
15	HBW800-15	Pinion Gear

No.	Parts No.	Description
16	HBW800-16	Flat Washer
17	HBW800-17	Snap Ring
18	HBW800-18	Self-Locking Ring
19	HBW800-19	Strength Bolt
20	HBW800-20	Snap Ring (S12)
21	HBW800-21	Pawl
22	HBW800-22	Pawl Spring
23	HBW800-23	Reel Bolt
24	HBW800-24	Gear Cover
25	HBW800-25	Winch Reel
26	HBW800-26	Flat Washer
27	HBW800-27	Nut
28	HBW800-28	Flat Washer
29	HBW800-29	Nut (M6xP1)
30	HBW800-30	Winch Frame

HBW-550 BRAKE WINCH (1200LBS / 550KGS)

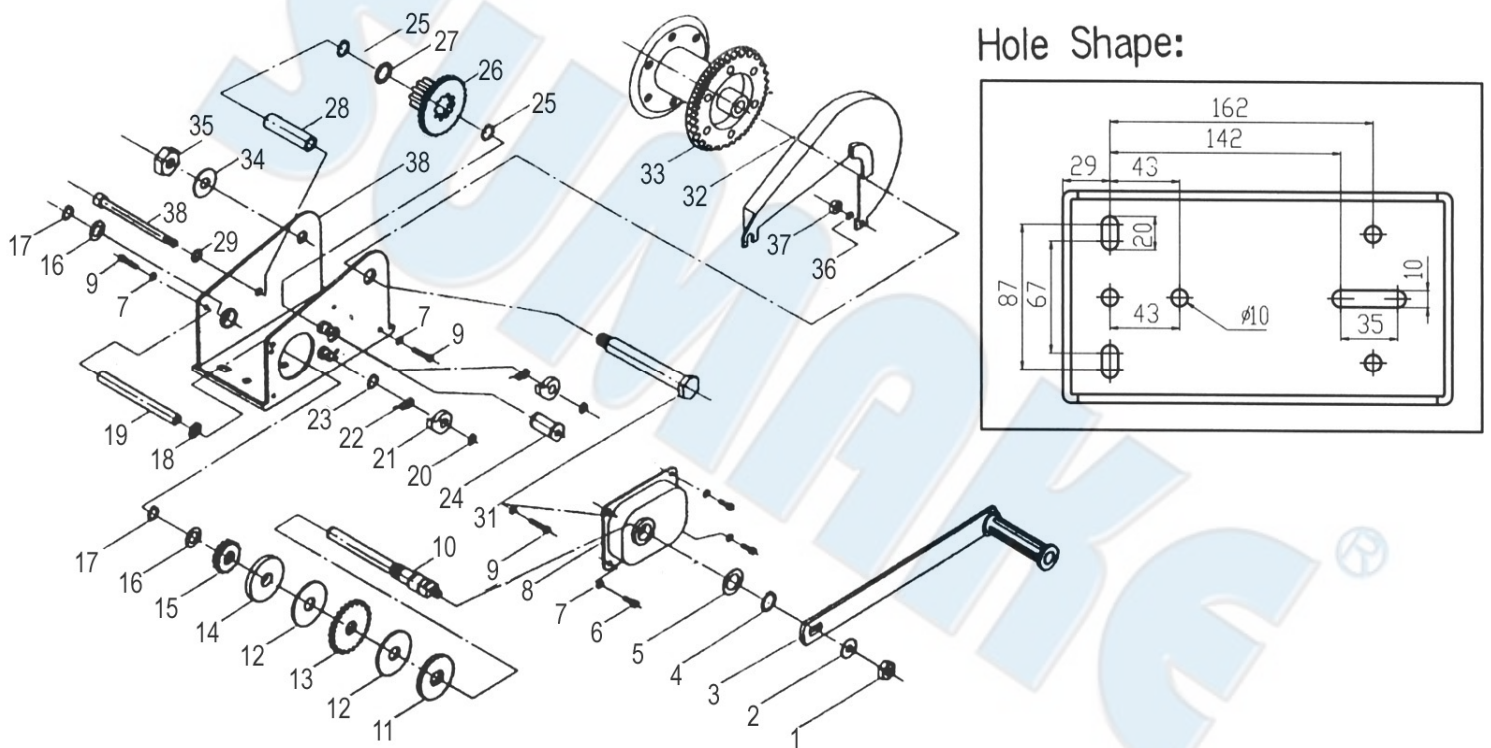


PARTS LIST

No.	Parts No.	Description
1	HBW550-01	Nut
2	HBW550-02	Flat Washer
3	HBW550-03	Handle
4	HBW550-04	Snap Ring
5	HBW550-05	Flat Washer
6	HBW550-06	Screw (M6xP1)
7	HBW550-07	Spring Washer
8	HBW550-08	Brake Cover
10	HBW550-10	Pinion Shaft
11	HBW550-11	Brake Back-Up Plate
12	HBW550-12	Friction Disc
13	HBW550-13	Ratchet Gear
14	HBW550-14	Pressure Washer
15	HBW550-15	Pinion Gear

No.	Parts No.	Description
16	HBW550-16	Flat Washer
17	HBW550-17	Snap Ring
20	HBW550-20	Snap Ring (S12)
21	HBW550-21	Pawl
22	HBW550-22	Pawl Spring
23	HBW550-23	Reel Bolt
24	HBW550-24	Gear Cover
25	HBW550-25	Winch Reel
26	HBW550-26	Flat Washer
27	HBW550-27	Nut
28	HBW550-28	Flat Washer
29	HBW550-29	Nut (M6xP1)
30	HBW550-30	Winch Frame

HBW-1180 BRAKE WINCH (2600LBS / 1180KGS)



PARTS LIST

No.	Parts No.	Description
1	HBW1180-01	Nut (M10xP1.5)
2	HBW1180-02	Flat Washer
3	HBW1180-03	Handle
4	HBW1180-04	Snap Ring (S22)
5	HBW1180-05	Flat Washer
6	HBW1180-06	Screw (M6xP1)
7	HBW1180-07	Spring Washer
8	HBW1180-08	Brake Cover
9	HBW1180-09	Screw (M6xP1x16L)
10	HBW1180-10	Pinion Shaft
11	HBW1180-11	Brake Back-Up Plate
12	HBW1180-12	Friction Disc
13	HBW1180-13	Ratchet Gear
14	HBW1180-14	Pressure Washer
15	HBW1180-15	Pinion Gear
16	HBW1180-16	Flat Washer
17	HBW1180-17	Snap Ring (S15)
18	HBW1180-18	Self-Locking Ring
19	HBW1180-19	Strength Bolt

No.	Parts No.	Description
20	HBW1180-20	Snap Ring (S12)
21	HBW1180-21	Pawl
22	HBW1180-22	Pawl Spring
23	HBW1180-23	Snap Ring (S17)
24	HBW1180-24	2nd Gear Shaft
25	HBW1180-25	Snap Ring (S20)
26	HBW1180-26	2nd Gear Set
27	HBW1180-27	Flat Washer
28	HBW1180-28	Socket
29	HBW1180-29	Spring Washer
30	HBW1180-30	Gear Bolt
31	HBW1180-31	Reel Bolt
32	HBW1180-32	Gear Cover
33	HBW1180-33	Winch Reel
34	HBW1180-34	Flat Washer
35	HBW1180-35	Nut (M16xP2)
36	HBW1180-36	Flat Washer
37	HBW1180-37	Nut (M16xP1)
38	HBW1180-38	Winch Frame

NOTE

SUMAKE®

SUMAKE®